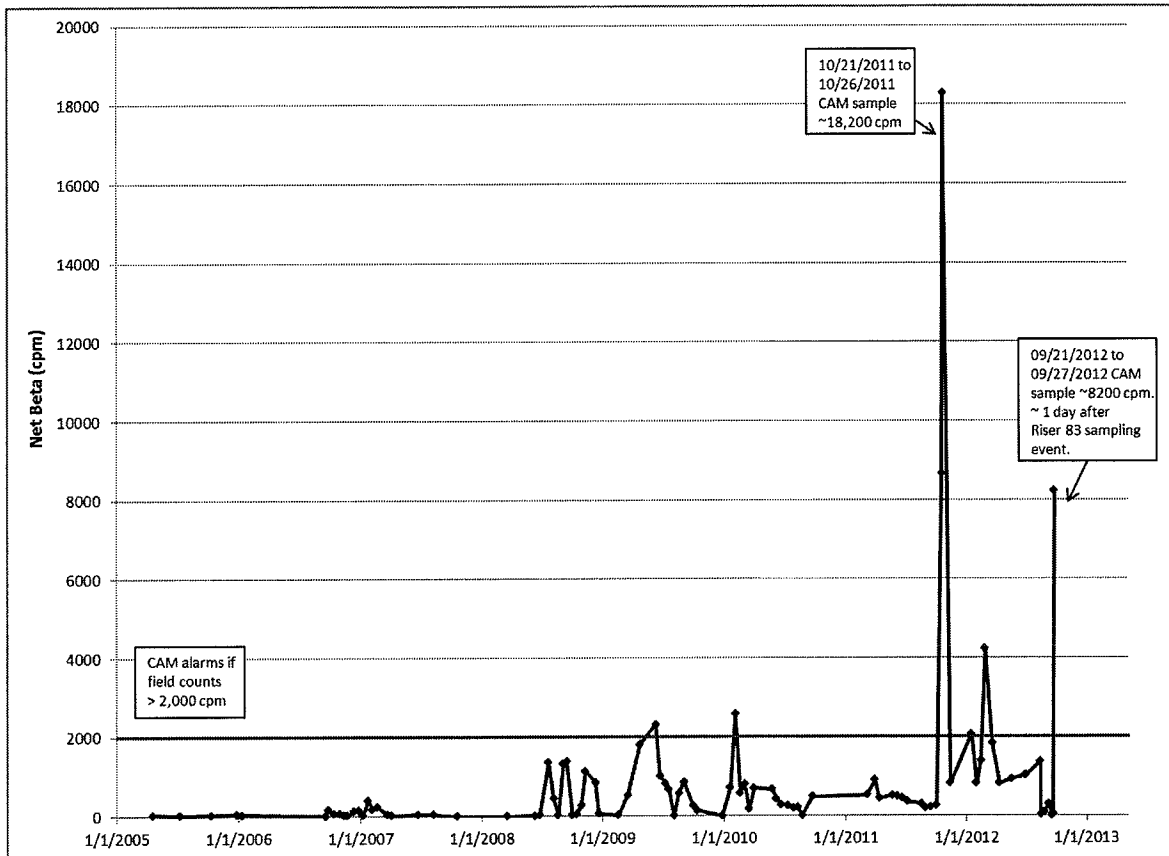


Figure 4-32 shows the CAM sample net beta counts per minute since March 2005. The spike in beta counts in October 2011 coincides with the Riser 90 ENRAF troubleshooting activities that occurred in this same time frame (see Section 4.2.4).



Note: Net beta counts were higher in October 2012 due to sampling events in the annulus and were not included in this figure. See Appendix D- for additional data.

**Figure 4-32. Sample Net Beta Counts for the Tank AY-102 Annulus  
Continuous Air Monitor- March 2005 to September 2012**

#### 4.2.5.4 Stack Record Sampler

The Tank AY-102 annulus exhaust system (Stack 296-A-19) is sampled for radionuclide particulate matter prior to release to the ambient environment. The stack samples are collected using a sample extraction probe permanently installed at a fixed location on the vertical portion of the stack downstream from HEPA filtration. Stack samples are collected every two to four weeks and the samples shipped to the Waste Sample Characterization Facility for analyses. The Tank AY-102 annulus stack has four samples selected from various times during the calendar year for gross alpha and gross beta analyses. Analytical data and calculated concentrations are uploaded into ABCASH and available for end users.